

**To:** Christner, Jan[Jan.Christner@WestonSolutions.com]  
**Cc:** Jamie Miller[JMiller@TechLawInc.com]; Way, Steven[way.steven@epa.gov]; John.Lucotch@WestonSolutions.com[John.Lucotch@WestonSolutions.com]  
**From:** McComb, Martin  
**Sent:** Tue 9/1/2015 4:05:57 PM  
**Subject:** Re: GKM\_WQP\_DATA.xlsm

Awesome, we shall compile summary tables for you.

Steve asked me to jump in a bit. Can I get some idea of what you think your end product will be? I'd also like to make sure we are properly including a spatial component/GIS in what you are doing.

M

Sent from my iPhone

> On Sep 1, 2015, at 9:16 AM, Christner, Jan <Jan.Christner@WestonSolutions.com> wrote:  
>  
> Hi,  
>  
> Megan Burke and I are looking at the potential river impacts if we don't treat water at the mine. We are currently using the 2009-2014 ESAT/EPA data for the historic concentrations and USGS flows because they have been compiled and are ready for the mass balances that need to be completed today.  
>  
> This wonderful set of additional information will be very useful if someone can compile it in a meaningful way. What would be helpful is to have data tables (crosstabs) showing location, date, dissolved aluminum, cadmium, copper, iron, lead, manganese and zinc concentrations, flow, and pH at each location downstream of the site, with a focus on locations with the most information. The distance downstream from A72 (or whatever reference point is convenient) for each location would also be helpful.  
>  
> Let me know if you have questions or input. Thanks.  
>  
> Jan  
>  
> -----Original Message-----  
> From: McComb, Martin [mailto:McComb.Martin@epa.gov]  
> Sent: Tuesday, September 01, 2015 8:42 AM  
> To: Jamie Miller; Christner, Jan  
> Cc: Way, Steven; Lucotch, John  
> Subject: GKM\_WQP\_DATA.xlsm  
>  
> Jan and Jamie,  
>  
> Steve asked me to help Shepard the work he needs to model river impacts if we do/don't treat water at the mine.  
>  
> Here are the summary spreadsheets of historical data pulled from WQX. It contains state, tribal and local data as well as USGS data. There could be useful concentration and flow data for locations downstream in this dataset.  
>  
> This dataset was generated using a web service. We are currently working to hook this web service up to our operational viewer.  
>  
> M  
>  
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